Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
Data File : VU051453.D
Acq On : 19 Oct 2022 12:53
Operator : JC/MD
Sample : N4955-09 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 07:39:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 20 07:37:57 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/25/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.115	96	48356	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.632	95	13436	0.792	ug/l		0.00
Spiked Amount 1.000			Recovery =	79.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	15993	0.844	ug/l		0.00
Spiked Amount 1.000			Recovery =	84.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.385	85	6086m	0.360	ug/l		
3) Chloromethane	1.533	50	9851	0.370	ug/l		92
4) Vinyl Chloride	1.604	62	8064	0.350	ug/l		99
5) Bromomethane	1.855	94	5803	0.452	ug/l		94
6) Chloroethane	1.928	64	4300	0.328	ug/l		91
7) Trichlorofluoromethane	2.141	101	9301	0.361	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	5572	0.392	ug/l		99
9) 1,1-Dichloroethene	2.578	96	5434	0.366	ug/l		92
10) Iodomethane	2.723	142	6844	0.356	ug/l		98
11) Allyl Chloride	2.925	41	9070	0.401	ug/l		92
12) Acrylonitrile	3.317	53	3307	0.757	ug/l		88
13) Acetone	2.629	43	6714	2.135	ug/l		100
14) Carbon Disulfide	2.790	76	19488	0.369	ug/l		97
15) Methylene Chloride	3.047	84	15048	0.692	ug/l		96
16) trans-1,2-Dichloroethene	3.346	96	6494	0.382	ug/l		96
17) 1,1-Dichloroethane	3.864	63	11360	0.371	ug/l		95
18) 2-Butanone	4.729	43	6289	1.648	ug/l		97
19) Cyclohexane	5.385	56	5859m	0.309	ug/l		
20) Methylcyclohexane	6.761	83	5402	0.287	ug/l		87
21) 2,2-Dichloropropane	4.665	77	7873	0.369	ug/l		93
22) cis-1,2-Dichloroethene	4.668	96	5577	0.346	ug/l		97
23) Diethyl Ether	2.375	59	4500	0.347	ug/l	#	89
24) tert-Butyl Alcohol	3.205	59	5066	3.728	ug/l	#	84
25) Methyl tert-Butyl Ether	3.369	73	14307	0.371	ug/l	#	80
26) Bromochloromethane	4.973	128	2679	0.341	ug/l		94
27) Chloroform	5.092	83	10998	0.355	ug/l		97
28) 1,1,1-Trichloroethane	5.314	97	8599	0.348	ug/l		96
29) 1,1-Dichloropropene	5.523	75	5893	0.311	ug/l		98
30) Carbon Tetrachloride	5.520	117	7540	0.361	ug/l		88
31) Isopropyl Ether	4.002	45	12361	0.342	ug/l		89
32) Ethyl-t-butyl ether	4.510	59	10229	0.310	ug/l		99
33) Tert-Amyl methyl ether	5.948	73	8343	0.287	ug/l	#	94
34) Propionitrile	4.797	54	2048	1.597	ug/l	#	74
35) Benzene	5.774	78	20187	0.318	ug/l		96
36) 1,2-Dichloroethane	5.796	62	6953	0.355	ug/l	#	91
37) Trichloroethene	6.546	130	5296	0.355	ug/l		88
38) 1,2-Dichloropropane	6.793	63	5712	0.328	ug/l		99
39) Methacrylonitrile	4.993	41	1164m	0.265	ug/l		
40) Methyl acrylate	4.883	55	1750m	0.250	ug/l		
41) Tetrahydrofuran	5.076	42	1569	0.682	ug/l	#	61
42) 1-Chlorobutane	5.456	56	7761	0.300	ug/l		94
43) Dibromomethane	6.922	93	2882	0.318	ug/l		95
44) Bromodichloromethane	7.108	83	7560	0.345	ug/l	#	91

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	10855	1.260 ug/l	97
46) t-1,4-Dichloro-2-butene	10.825	75	3272m	0.680 ug/l	
47) Methyl methacrylate	6.967	69	3413	0.493 ug/l	93
48) Ethyl methacrylate	8.337	69	2671	0.230 ug/l	89
49) Toluene	7.970	92	9291	0.267 ug/l	95
50) t-1,3-Dichloropropene	8.214	75	5384	0.306 ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	6723	0.324 ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	4272	0.331 ug/l	95
53) 1,3-Dichloropropane	8.575	76	6094	0.293 ug/l	96
54) 2-Hexanone	8.690	43	7885	1.331 ug/l	86
55) Dibromochloromethane	8.809	129	4621	0.329 ug/l	98
56) 1,2-Dibromoethane	8.922	107	3783	0.333 ug/l	99
58) Tetrachloroethene	8.552	164	4136	0.318 ug/l	96
59) Chlorobenzene	9.446	112	11520	0.301 ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.533	131	5311	0.362 ug/l	95
61) Pentachloroethane	11.430	117	3945	0.302 ug/l	90
62) Hexachloroethane	12.475	117	4255	0.343 ug/l	90
63) Ethyl Benzene	9.568	91	14347	0.247 ug/l	98
64) m/p-Xylenes	9.690	106	9616	0.416 ug/l	94
65) o-Xylene	10.099	106	5229	0.232 ug/l	99
66) Styrene	10.115	104	8308	0.223 ug/l	96
67) Bromoform	10.285	173	2472	0.313 ug/l	95
69) Isopropylbenzene	10.484	105	13079	0.236 ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	6109	0.350 ug/l	95
71) 1,2,3-Trichloropropane	10.825	75	4317m	0.332 ug/l	
72) Bromobenzene	10.783	156	4391	0.289 ug/l	98
73) n-propylbenzene	10.906	120	3353	0.215 ug/l	95
74) 2-Chlorotoluene	10.986	126	3357	0.227 ug/l	84
75) 1,3,5-Trimethylbenzene	11.086	105	10335	0.206 ug/l	99
76) 4-Chlorotoluene	11.095	126	3206	0.212 ug/l	96
77) tert-Butylbenzene	11.417	119	11210	0.229 ug/l	96
79) sec-Butylbenzene	11.642	105	14318	0.221 ug/l	96
80) Nitrobenzene	13.217	77	1303	1.506 ug/l #	73
81) p-Isopropyltoluene	11.793	119	10464	0.201 ug/l	94
82) 1,3-Dichlorobenzene	11.748	146	8736	0.267 ug/l	94
83) 1,4-Dichlorobenzene	11.838	146	8198	0.256 ug/l	94
85) 1,2-Dichlorobenzene	12.211	146	8177	0.254 ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.999	75	861	0.315 ug/l	98
87) 1,2,4-Trichlorobenzene	13.838	180	4385	0.251 ug/l	95
88) Hexachlorobutadiene	14.018	225	3816	0.335 ug/l	96
89) Naphthalene	14.089	128	7718	0.211 ug/l #	96
90) 1,2,3-Trichlorobenzene	14.333	180	4240	0.222 ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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